

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
February 2005

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Governor
State of California

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The Resources Agency

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of February 2005.

Statewide precipitation was 145 percent of average for the 2004-2005 water year as of February 28. Statewide runoff was 65 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: http://cdec.water.ca.gov/snow_rain.html.

On February 28, total storage in major SWP reservoirs was about 3.78MAF, compared with about 4.5 MAF at this time in 2004. End of month storage at Lake Oroville was about 2.01 MAF as compared to 2.86 MAF last year. The State's share of San Luis Reservoir storage was about 1.1 MAF, as compared with 972 TAF at this time last year. The combined storage in our southern reservoirs was about 661 TAF, compared with about 670 TAF at this time last year.

Through February, SWP water deliveries for 2005 were about 560 TAF. This is a combination of project, transfer, and exchange waters. This is about 114 TAF more than delivered during the same period in 2004.

Combined allotment for SWP and CVP was limited to 3,000 AF per day from February 2 through February 7 to accommodate adult Delta smelt. Pumping was curtailed at Banks Pumping Plant as shown on Table 9 of this report.

On February 8, at 1405, a magnitude 3.5 earthquake occurred about 20 miles NE of San Luis Obispo. No damage to State Water Project.

On February 17, at 1058 hrs, Earthquake Engineering verified an earthquake alert. The coordinates of the epicenter were 35 degrees, 48.6 minutes north and 121 degrees, 20.1 minutes west with a magnitude of 2.6 No damage to State Water Project.

On February 18, the side flows at Pyramid Lake were at 2,000 cfs from heavy rains. United Water Agency requested no release of water through the Pyramid Dam Stream Release Facility down Piru Creek due to impact on the area. SFD requested the water from Pyramid be diverted to Castaic. Warne Generation was decreased to zero. Pumping schedules were revised from Dos Amigos south including Gianelli. West Branch Operations were shutdown. LADWP was also requested to make releases through Castaic Plant and not down Piru Creek should the need arise. Castaic Generation was increased to deliver 214 MW's, at Sylmar to CDWR to mitigate the water transfers.

February 25, at 2111 hrs, a 4.7 magnitude earthquake occurred, centered 35 degrees 58.6 minutes North Latitude and 123 degrees 31.6 minutes West Longitude. No damage to State Water Project.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Jan 31	4992.40	14,638									
1	4992.38	14,623	-15	20	0	0	0	1	21	13	
2	4992.36	14,609	-14	20	0	0	0	1	21	14	
3	4992.34	14,594	-15	20	0	0	0	1	21	13	
4	1/ 4992.34	14,594	0	20	0	0	0	1	21	21	
5	1/ 4992.34	14,594	0	20	0	0	0	1	21	21	
6	1/ 4992.34	14,594	0	20	0	0	0	1	21	21	
7	4992.30	14,566	-28	20	0	0	0	1	21	7	
8	4992.27	14,544	-22	20	0	0	0	1	21	10	
9	4992.25	14,530	-14	20	0	0	0	1	21	14	
10	4992.24	14,523	-7	20	0	0	0	1	21	17	
11	4992.21	14,501	-22	20	0	0	0	1	21	10	
12	4992.20	14,494	-7	20	0	0	0	1	21	17	
13	4992.20	14,494	0	20	0	0	0	1	21	21	
14	4992.20	14,494	0	20	0	0	0	1	21	21	
15	4992.20	14,494	0	20	0	0	0	1	21	21	
16	4992.20	14,494	0	20	0	0	0	1	21	21	
17	4992.20	14,494	0	20	0	0	0	1	21	21	
18	4992.20	14,494	0	20	0	0	0	1	21	21	
19	4992.20	14,494	0	20	0	0	0	1	21	21	
20	4992.24	14,523	29	20	0	0	0	1	21	36	
21	4992.25	14,530	7	20	0	0	0	1	21	25	
22	4992.26	14,537	7	20	0	0	0	1	21	25	
23	4992.30	14,566	29	20	0	0	0	1	21	36	
24	4992.34	14,594	28	13	0	0	0	1	14	28	
25	4992.42	14,652	58	5	0	0	0	1	6	35	
26	4992.50	14,710	58	5	0	0	0	1	6	35	
27	4992.58	14,768	58	5	0	0	0	1	6	35	
28	4992.63	14,804	36	5	0	0	0	2	7	26	
Total cfs-days				---	493	0	0	29	522	606	
Total ac-ft				166	978	0	0	58	1,036	1,202	

1/ Estimated value.

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jan 31	5564.67	25,821								
1	5564.69	25,841	20	2	0	0	0	0	2	
2	5564.79	25,939	98	2	0	0	0	0	2	
3	5564.82	25,969	30	2	0	0	0	0	2	
4	1/ 5564.82	25,969	0	2	0	0	0	0	2	
5	1/ 5564.82	25,969	0	2	0	0	0	0	2	
6	1/ 5564.82	25,969	0	2	0	0	0	0	2	
7	5564.95	26,097	128	2	0	0	0	0	2	
8	5564.96	26,107	10	2	0	0	0	0	2	
9	5564.97	26,117	10	2	0	0	0	0	2	
10	5564.98	26,127	10	2	0	0	0	0	2	
11	5564.99	26,136	9	2	0	0	0	0	2	
12	5565.00	26,146	10	2	0	0	0	0	2	
13	5565.01	26,156	10	2	0	0	0	0	2	
14	5565.02	26,166	10	2	0	0	0	0	2	
15	5565.03	26,176	10	2	0	0	0	1	3	
16	5565.02	26,166	-10	2	0	0	0	5	7	
17	5565.01	26,156	-10	2	0	0	0	5	7	
18	5565.00	26,146	-10	2	0	0	0	5	7	
19	5564.99	26,136	-10	2	0	0	0	5	7	
20	5565.00	26,146	10	2	0	0	0	1	3	
21	5565.05	26,196	50	2	0	0	0	0	2	
22	5565.07	26,216	20	2	0	0	0	0	2	
23	5565.08	26,225	9	2	0	0	0	0	2	
24	5565.09	26,235	10	2	0	0	0	1	3	
25	5565.09	26,235	0	2	0	0	0	1	3	
26	5565.08	26,225	-10	2	0	0	0	5	7	
27	5565.07	26,216	-9	2	0	0	0	5	7	
28	5565.07	26,216	0	2	0	0	0	1	3	
Total cfs-days				---	56	0	0	0	35	
Total ac-ft				395	111	0	0	0	69	
									180	
									575	

1/ Estimated value.

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jan 31	5762.81	43,001								
1	5762.81	43,001	0	10	0	1	0	0	11	
2	5762.80	42,974	-27	10	0	0	0	4	14	
3	5762.80	42,974	0	10	0	0	0	0	10	
4	1/ 5762.80	42,974	0	10	0	0	0	0	10	
5	1/ 5762.80	42,974	0	10	0	0	0	0	10	
6	1/ 5762.80	42,974	0	10	0	0	0	0	10	
7	5762.72	42,891	-83	10	0	0	0	32	42	
8	5762.80	42,891	0	10	0	0	0	1	11	
9	5762.82	42,891	0	10	0	0	0	1	11	
10	5762.83	42,891	0	9	0	0	0	1	10	
11	5762.76	42,863	-28	10	0	1	0	3	14	
12	5762.75	42,836	-27	10	0	0	0	4	14	
13	5762.75	42,836	0	10	0	0	0	3	13	
14	5762.74	42,809	-27	10	0	0	0	4	14	
15	5762.74	42,809	0	10	0	0	0	1	11	
16	5762.74	42,809	0	10	0	0	0	2	12	
17	5762.75	42,836	27	10	0	0	0	3	13	
18	5762.75	42,836	0	10	0	0	0	3	13	
19	5762.77	42,891	55	10	0	0	0	2	12	
20	5762.81	43,001	110	9	0	0	0	3	12	
21	5762.81	43,001	0	10	0	1	0	3	14	
22	5762.83	43,029	28	10	0	0	0	3	13	
23	5762.83	43,029	0	10	0	0	0	4	14	
24	5762.83	43,029	0	10	0	0	0	4	14	
25	5762.83	43,029	0	10	0	0	0	4	14	
26	5762.83	43,029	0	10	0	0	0	4	14	
27	5762.85	43,111	82	10	0	0	0	4	14	
28	5762.87	43,167	56	9	0	0	0	4	13	
Total cfs-days				---	277	0	3	0	461	
Total ac-ft				166	549	0	6	0	914	

1/ Estimated value.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Jan 31	764.30	1,814,709								
1	765.00	1,821,617	6,908	2,019	0	50	0	2,069	0	8,977
2	765.52	1,826,761	5,144	2,936	0	112	0	3,048	0	8,192
3	766.05	1,832,014	5,253	2,870	0	50	0	2,920	0	8,173
4	766.60	1,837,477	5,463	2,051	0	34	0	2,085	0	7,548
5	767.20	1,843,451	5,974	1,152	0	45	0	1,197	0	7,171
6	767.89	1,850,337	6,886	117	0	45	0	162	0	7,048
7	768.54	1,856,841	6,504	974	0	34	0	1,008	0	7,512
8	768.95	1,860,952	4,111	1,950	0	34	0	1,984	0	6,095
9	769.76	1,869,093	8,141	1,122	0	28	0	1,150	0	9,291
10	770.50	1,876,557	7,464	49	0	40	0	89	0	7,553
11	770.95	1,881,103	4,546	2,906	0	80	0	2,986	0	7,532
12	771.38	1,885,453	4,350	1,260	0	46	0	1,306	0	5,656
13	772.21	1,893,875	8,422	42	0	46	0	88	0	8,510
14	773.36	1,905,587	11,712	42	0	0	0	42	0	11,754
15	774.12	1,913,356	7,769	3,096	0	6	0	3,102	0	10,871
16	774.80	1,920,326	6,970	4,129	0	12	0	4,141	0	11,111
17	775.53	1,927,830	7,504	2,440	0	29	0	2,469	0	9,973
18	775.74	1,929,993	2,163	7,808	0	99	0	7,907	0	10,070
19	776.32	1,935,976	5,983	2,996	0	23	0	3,019	0	9,002
20	777.99	1,953,272	17,296	350	0	41	0	391	0	17,687
21	779.16	1,965,458	12,186	1,972	0	12	0	1,984	0	14,170
22	780.27	1,977,070	11,612	3,236	0	42	0	3,278	0	14,890
23	781.21	1,986,942	9,872	3,922	0	95	0	4,017	0	13,889
24	781.79	1,993,050	6,108	6,537	0	48	0	6,585	0	12,693
25	782.44	1,999,912	6,862	5,112	0	24	0	5,136	0	11,998
26	782.86	2,004,357	4,445	4,919	0	48	0	4,967	0	9,412
27	783.78	2,014,114	9,757	2,816	0	0	0	2,816	0	12,573
28	784.66	2,023,476	9,362	3,560	0	30	0	3,590	0	12,952
Total		208,767	72,383	0	1,153	0	0	73,536	0	282,303

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

February 2005

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County 4/	Thermalito Irrigation District	Releases To River 5/	Hyatt Powerplant Pumpback	
Jan 31	24,307										
1	24,260	-47	2,019	440	0	2,010	0	2	1,255	0	761
2	24,207	-53	2,936	163	0	2,822	0	2	1,258	0	930
3	24,318	111	2,870	60	0	1,952	0	2	1,258	0	393
4	24,905	587	2,051	141	0	1,784	0	2	1,258	0	1,439
5	24,915	10	1,152	365	0	1,836	0	2	1,259	0	1,590
6	24,037	-878	117	371	0	5,154	0	2	1,261	0	5,051
7	23,798	-239	974	369	0	3,212	0	2	1,230	0	2,862
8	24,537	739	1,950	341	0	3,209	0	2	1,241	0	2,900
9	24,239	-298	1,122	456	0	1,816	0	2	1,278	0	1,220
10	23,451	-788	49	512	0	2,463	0	2	1,241	0	2,357
11	24,673	1,222	2,906	512	0	912	0	2	1,245	0	-37
12	24,733	60	1,260	512	0	2,242	0	2	1,243	0	1,775
13	23,990	-743	42	512	0	2,298	0	2	1,255	0	2,258
14	23,176	-814	42	512	0	2,954	0	2	1,247	0	2,835
15	24,579	1,403	3,096	512	0	9,382	0	2	1,245	0	8,424
16	24,056	-523	4,129	409	0	8,256	0	2	1,253	0	4,450
17	24,180	124	2,440	508	0	1,992	0	2	1,241	0	411
18	24,524	344	7,808	510	0	1,930	0	2	1,238	0	-4,804
19	24,293	-231	2,996	448	0	1,550	0	3	1,241	0	-881
20	23,878	-415	350	510	0	114	0	3	1,241	0	83
21	24,711	833	1,972	512	0	114	0	3	1,253	0	-281
22	24,411	-300	3,236	510	0	114	0	3	1,245	0	-2,684
23	24,223	-188	3,922	510	0	3,980	1	3	1,281	0	645
24	24,038	-185	6,537	510	0	5,588	1	3	1,271	0	-369
25	23,912	-126	5,112	510	0	3,110	1	3	1,277	0	-1,357
26	24,601	689	4,919	512	0	412	1	3	1,278	0	-3,048
27	23,774	-827	2,816	508	0	142	1	3	1,281	0	-2,724
28	23,800	26	3,560	444	0	2,572	1	3	1,276	0	-126
Total		-507	72,383	12,179	0	73,920	6	66	35,150	0	24,073

1/ Sum of Thermalito Forebay and Diversion Pool.

4/ Includes 1 AF of entitlement water to Del Oro WD and 5 AF to Cal Water.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

3/ Includes Bypass flows at Thermalito.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow	Outflow						Losses (-) and Gains (+)	Total Releases to River 2/	
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback			
Jan 31	133.26	43,836											
1	132.97	42,728	-1,108	2,010	0	0	0	0	2,241	0	-877	3,496	
2	132.92	42,538	-190	2,822	0	0	0	0	2,241	0	-771	3,499	
3	132.70	41,709	-829	1,952	0	0	0	0	2,241	0	-540	3,499	
4	132.22	39,925	-1,784	1,784	0	0	0	0	2,241	0	-1,327	3,499	
5	131.66	37,890	-2,035	1,836	0	0	0	0	2,241	0	-1,630	3,500	
6	131.08	35,835	-2,055	5,154	0	0	0	0	2,241	0	-4,968	3,502	
7	130.49	33,799	-2,036	3,212	0	0	0	0	2,261	0	-2,987	3,491	
8	129.93	31,919	-1,880	3,209	0	0	0	0	2,241	0	-2,848	3,482	
9	129.42	30,251	-1,668	1,816	0	0	0	0	2,261	0	-1,223	3,539	
10	128.74	28,093	-2,158	2,463	0	0	0	0	2,241	0	-2,380	3,482	
11	128.24	26,555	-1,538	912	0	0	0	0	2,241	0	-209	3,486	
12	127.65	24,792	-1,763	2,242	0	0	0	0	2,241	0	-1,764	3,484	
13	126.99	22,890	-1,902	2,298	0	0	0	0	2,241	0	-1,959	3,496	
14	126.20	20,708	-2,182	2,954	0	0	0	0	2,241	0	-2,895	3,488	
15	125.84	19,747	-961	9,382	0	0	0	0	2,241	0	-8,102	3,486	
16	126.52	21,579	1,832	8,256	0	0	0	0	2,241	0	-4,183	3,494	
17	126.31	21,005	-574	1,992	0	0	0	0	2,241	0	-325	3,482	
18	127.87	25,443	4,438	1,930	0	0	0	0	2,261	0	4,769	3,499	
19	127.99	25,801	358	1,550	0	0	0	0	2,261	0	1,069	3,502	
20	127.28	23,717	-2,084	114	0	0	0	0	2,261	0	63	3,502	
21	126.74	22,188	-1,529	114	0	0	0	0	2,241	0	598	3,494	
22	126.93	22,720	532	114	0	0	0	0	2,241	0	2,659	3,486	
23	127.30	23,774	1,054	3,980	0	0	0	0	2,241	0	-685	3,522	
24	128.53	27,442	3,668	5,588	0	0	0	0	2,261	0	341	3,532	
25	129.25	29,704	2,262	3,110	0	0	0	0	2,241	0	1,393	3,518	
26	129.64	30,966	1,262	412	0	0	0	0	2,241	0	3,091	3,519	
27	130.01	32,185	1,219	142	0	0	0	0	2,241	0	3,318	3,522	
28	130.17	32,719	534	2,572	0	0	0	0	2,241	0	203	3,517	
Total				-11,117	73,920	0	0	0	62,868	0	-22,169	98,018	

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

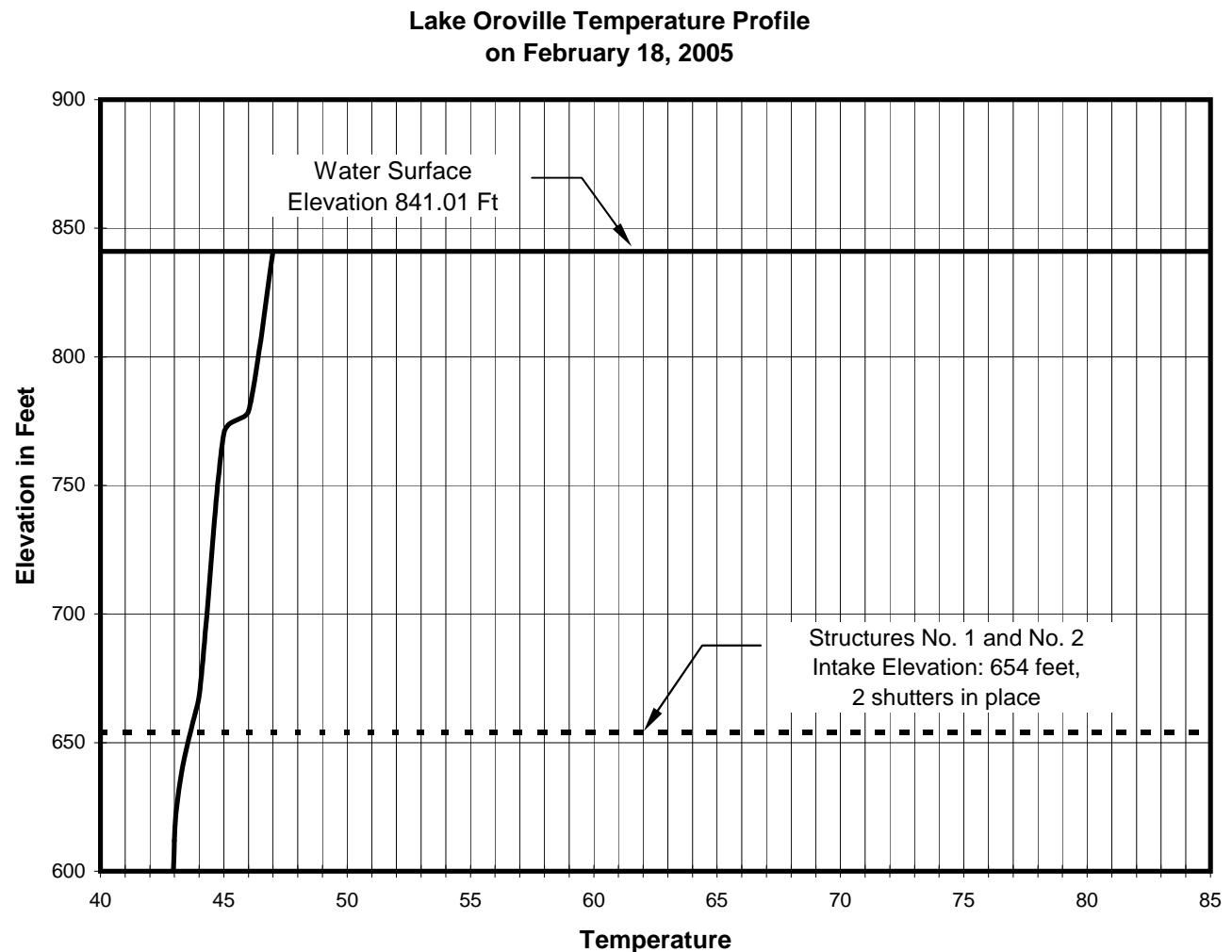
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

February 2005

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	46	45
2	46	45
3	46	44
4	46	45
5	46	45
6	46	45
7	46	45
8	46	45
9	47	45
10	47	45
11	47	45
12	47	45
13	47	45
14	47	45
15	48	46
16	48	46
17	49	46
18	49	46
19	50	47
20	50	45
21	49	45
22	48	45
23	47	45
24	47	45
25	47	45
26	46	45
27	45	46
28	46	46
29	47	46



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending					Table A Amount		Extended Carryover	Article 21		
	No.	Structure	Mile			M & I	Benicia				
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	1,315			6	91		
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis Turnout	6						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	91						
				Solano County Water Agency Fairfield / Vacaville 42"	0						
			17.00	Solano County Water Agency Central Solano	Stub						
		Cordelia Forebay	21.23								
2	3A	Cordelia Pumping Plant & Cordelia Spillway	21.30		1,185			1/ 15	312		
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	15						
3B	2			Solano County Water Agency Benicia	329			17	713		
		Cordelia Surge Tank	23.33								
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	0						
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	713						
			27.60	Napa County Flood Control & WCD American Canyon 1	128						

1/ Includes 3 AF of Napa Co. FC&WCD Article 56 carryover water through Solano Co.'s turnout for delivery to American Canyon.

Table 9. Delta Field Division Plant Data

(in acre-feet)

February 2005

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	55	42	12,745	12,745	65	0	0	100
2	52	40	4,271	4,271	47	0	0	127
3	52	46	1,999	1,999	48	0	0	135
4	57	45	2,015	2,015	62	0	0	140
5	58	45	5,979	5,979	77	0	0	133
6	58	44	9,862	9,862	61	0	0	146
7	55	41	8,576	8,576	84	0	0	156
8	56	47	11,624	11,624	120	0	0	89
9	56	46	12,236	12,236	120	0	0	129
10	50	45	11,975	11,975	120	0	0	124
11	45	42	12,387	12,387	120	0	0	112
12	45	47	12,378	12,378	120	0	0	120
13	47	42	11,851	11,851	120	0	0	106
14	47	46	10,411	10,411	120	0	0	95
15	39	38	10,674	10,674	120	0	0	54
16	50	50	9,475	9,475	94	0	0	57
17	58	57	9,380	9,380	31	0	0	132
18	41	42	8,891	8,891	38	0	0	109
19	43	40	8,873	8,873	31	0	0	144
20	37	39	10,074	10,074	31	0	0	130
21	45	39	9,076	9,076	40	0	0	128
22	38	37	10,764	10,764	61	0	0	134
23	29	30	10,658	10,658	30	0	0	135
24	35	33	11,784	11,784	34	0	0	133
25	33	33	11,775	11,775	31	0	0	108
26	50	47	11,775	11,775	30	0	0	87
27	38	39	11,544	11,544	30	0	0	78
28	46	43	7,695	7,695	51	0	0	131
Total	1,315	1,185	270,747	270,747	1,936	0	0	3,272

Table 10. Clifton Court Forebay

Daily Operation of Gates

February 2005

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	---	5:15	7:15	15:20	20:45				12,874
2	---	3:00	12:15	18:55					4,357
3	0:15	6:45							1,977
4	0:30	4:35							1,972
5	0:02	9:30							5,936
6	1:15	10:45	16:15	19:30					9,905
7	2:00	11:30	17:15	22:30					14,012
8	2:45	12:30	18:00	21:15	23:10	---			10,880
9	---	0:30	3:30	16:30	19:00	---			13,483
10	---	1:15	4:15	13:00	14:35	17:15	19:45	23:39	12,478
11	0:01	1:45	4:45	13:13	15:37	18:00	20:45	23:14	12,480
12	0:01	2:30	5:30	13:27	17:16	19:00	21:30	---	12,481
13	---	3:00	6:00	14:15	19:00	20:00	22:45	---	11,119
14	---	7:45	11:00	15:00	20:00	---			11,682
15	---	8:30	11:45	16:05	21:50	23:10			9,511
16	0:01	9:30	12:30	16:21					9,505
17	0:01	11:00	13:30	18:27					10,096
18	0:01	12:15							9,123
19	0:30	13:15	15:30	16:11					9,110
20	1:15	13:30							9,116
21	2:00	13:50							9,117
22	2:30	15:20							10,700
23	3:00	15:25							10,701
24	0:01	0:30	3:30	12:11	13:31	16:30			11,891
25	0:01	1:00	4:00	12:10	14:50	17:00	19:30	20:30	11,883
26	0:01	1:15	4:15	12:00	15:35	17:45	20:15	21:00	11,883
27	0:01	1:45	4:45	12:26	16:38	18:30	21:00	22:10	11,890
28	0:01	6:15	9:30	14:23					7,925
Total inflow for the month in AF:									278,087

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	USBR	Local	Loan Water	Dry Year Purchase		
	No.	Structure	Mile									
1	1	Banks Pumping Plant	3.32		270,747	39	15	10	0	0		
		South Bay Pumping Plant	4.49	Bethany Reservoir Inlet	1,936							
		Check No. 1	5.95									
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0							
		Check No. 2	12.01									
			12.47	Musco Olive	39							
		Check No. 3	18.29									
			22.16	Tracy Golf & Country Club	0							
		Check No. 4	23.99									
		Check No. 5	29.73									
		Check No. 6	34.24									
	2A		35.22	Turlock Fruit Company Inflow	0							
		Check No. 7	39.91									
			42.46	Oak Flat Water District-A	0							
			42.9	Western Hills WD	15							
			43.81	Oak Flat Water District-B	0							
	2B		44.64	Oak Flat Water District-C	0							
		Check No. 8	45.97									
			46.18	Oak Flat Water District-D	10		10	0	0	0		
				Oak Flat Totals:	10							
		Check No. 9	51.3				1	0	0	0		
		Check No. 10	56.86									
		Check No. 11	61.4									
			66.14	Veteran's Cemetery	1							
		Check No. 12	66.71		271,043							

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Extended Carryover	Purchase Pool B	Local	Recreation		
	No.	Structure	Mile									
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	1,936	2	103	348	151	4		
			3.17		0							
			3.18		2							
	2	Check No. 1	3.91									
2	3		5.21	Zone 7 Altamont	0	103	348	151	4	993		
			7.21	Zone 7 Patterson Inflow Exchange	0							
		Check No. 3	9.49		103							
4	4	Check No. 4	10.68			348	151	4	993	550		
		Check No. 5	12.29									
			13.55	Zone 7 Wente #1	0							
			14.16	Zone 7 Wente #2	0							
	6		14.31	Ising Project Water	0							
		Check No. 6	14.65									
			14.78	Zone 7 Arroyo Mocho Project Water	348							
	7	Check No. 7	16.38									
	8		16.57	Zone 7 Wente #3	0							
			16.69	Zone 7 Norman Nursery	0							
			16.70	Zone 7 Concannon Project Water	0							
		Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	0							
				(Flow into South Bay Aqueduct)	3,272							
5	Del Valle Branch Pipeline			Arroyo Valle #1 & #2 Project Water	0	1	1	1	1	635		
				Arroyo Valle #1 & #2 Inflow Released	151							
				Lake Del Valle Recreation	4							
				Zone 7 Wente #5	1							
				So. Livermore Project	0							
6	La Costa Tunnel		19.20	So. Livermore Inflow Released	993	1	1	1	1	1,978		
				So. Livermore Stored Exchanged	0							
			19.21	Zone 7 - Kalthrof Detjens	1							
7	Mission Tunnel		22.50	ACWD Vallecitos Project Water	0	550	635	1	1	1,978		
			25.97	City of San Francisco San Antonio	0							
8	Santa Clara Pipeline		28.97	ACWD - Bayside 1 & 2 Project Water:	1,185	550	635	1	1	1,978		
				Inflow Released	0							
9				Inflow Exchange:	0							
			35.86	S.C.V.W.D. Meter	1,978							

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

February 2005

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Jan 31	698.74	36,971									
1	698.66	36,917	-54	48	0	0	100	0	2	102	0.00
2	698.56	36,850	-67	65	0	0	127	0	5	132	0.00
3	698.44	36,769	-81	57	0	0	135	0	3	138	0.00
4	698.32	36,688	-81	62	0	0	140	0	3	143	0.00
5	698.18	36,594	-94	42	0	0	133	0	3	136	0.00
6	698.04	36,501	-93	56	0	0	146	0	3	149	0.00
7	697.88	36,394	-107	50	0	0	156	0	1	157	0.05
8	697.81	36,347	-47	44	0	0	89	0	2	91	0.00
9	697.68	36,260	-87	44	0	0	129	0	2	131	0.00
10	697.57	36,187	-73	54	0	0	124	0	3	127	0.00
11	697.46	36,114	-73	43	0	0	112	0	4	116	0.00
12	697.36	36,047	-67	53	0	0	120	0	0	120	0.13
13	697.25	35,974	-73	38	0	0	106	0	5	111	0.00
14	697.22	35,954	-20	75	0	0	95	0	0	95	0.01
15	697.77	36,320	366	420	0	0	54	0	0	54	1.23
16	700.02	37,841	1,521	1,578	0	0	57	0	0	57	0.42
17	700.73	38,329	488	622	0	0	132	0	2	134	0.02
18	700.92	38,460	131	240	0	0	109	0	0	109	0.16
19	701.87	39,120	660	807	0	0	144	0	3	147	0.06
20	703.53	40,290	1,170	1,300	0	0	130	0	0	130	0.46
21	705.03	41,367	1,077	1,206	0	0	128	0	1	129	0.12
22	704.23	40,790	-577	-440	0	0	134	0	3	137	0.02
23	703.27	40,106	-684	-546	0	0	135	0	3	138	0.00
24	703.27	40,106	0	136	0	0	133	0	3	136	0.00
25	702.37	39,470	-636	-525	0	0	108	1	2	111	0.00
26	701.78	39,057	-413	-322	0	0	87	1	3	91	0.00
27	701.22	38,668	-389	-306	0	0	78	1	4	83	0.01
28	701.39	38,786	118	251	0	0	131	1	1	133	0.70
Total				1,815	5,152	0	0	3,272	4	61	3,337
											3.39

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

February 2005

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv-eries 2/		
Jan 31	223.26	51,741											
1	224.08	53,942	2,201	0	3,691	0	6,490	0	4,494	4,773	4	200	
2	223.34	51,955	-1,987	0	1,985	0	1,978	0	0	4,940	7	-18	
3	223.52	52,437	482	0	990	2,707	1,414	0	0	4,813	0	-55	
4	221.36	46,705	-5,732	0	1,165	0	1,043	0	0	5,189	0	91	
5	221.01	45,787	-918	0	1,082	14	3,058	0	0	4,482	0	-121	
6	219.20	41,093	-4,694	0	1,109	0	4,337	0	3,044	4,997	0	228	
7	220.34	44,036	2,943	0	2,181	0	6,245	0	3,729	3,607	0	394	
8	219.67	42,299	-1,737	0	3,261	0	6,064	0	5,607	5,219	0	625	
9	219.58	42,067	-232	0	3,043	169	6,423	0	3,669	5,932	6	-145	
10	219.10	40,839	-1,228	0	2,967	0	6,051	0	4,686	5,429	2	480	
11	220.13	43,489	2,650	0	2,976	0	5,837	0	1,713	5,961	2	199	
12	222.00	48,385	4,896	0	2,975	0	5,926	0	1,077	5,400	2	46	
13	220.18	43,619	-4,766	0	2,964	0	6,080	0	5,150	6,897	2	602	
14	220.19	43,645	26	0	2,884	0	5,141	0	1,859	6,440	2	289	
15	221.20	46,285	2,640	0	2,921	0	5,316	0	1,670	5,639	2	405	
16	221.66	47,493	1,208	0	3,256	425	4,317	0	1,838	5,668	6	123	
17	222.62	50,033	2,540	0	3,340	849	4,589	0	2,166	5,535	1	205	
18	222.76	50,406	373	0	3,395	0	4,423	0	3,486	4,571	1	428	
19	221.44	46,915	-3,491	0	3,470	0	4,680	0	7,762	3,046	1	899	
20	220.55	44,583	-2,332	0	3,616	0	5,417	0	6,600	4,315	1	707	
21	220.54	44,557	-26	0	3,646	0	4,501	0	5,096	3,500	1	437	
22	221.20	46,285	1,728	0	3,526	0	5,198	0	5,690	2,596	1	434	
23	220.88	45,446	-839	0	3,071	0	5,232	0	6,846	2,657	6	783	
24	221.76	47,756	2,310	0	2,586	776	5,518	0	3,831	4,243	8	367	
25	221.52	47,125	-631	0	2,758	0	5,662	0	5,024	4,257	8	551	
26	221.22	46,337	-788	0	2,677	0	5,789	0	4,953	4,487	8	585	
27	220.91	45,525	-812	0	2,668	0	6,104	0	4,860	5,163	8	850	
28	222.05	48,517	2,992	0	3,008	699	3,816	0	1,533	4,886	8	412	
Total				-3,224	0	77,211	5,639	136,649	0	96,383	134,642	87	10,001
Mean cfs				---	0	2,758	201	4,880	0	3,442	4,809	3	357
Acre-feet				-3,224		153,150	11,185	271,043	0	191,179	267,062	172	19,811

1/ Pump-in located at Mile 79.67R.

2/ Includes 6 AF delivered to DFG at O'Neill Forebay, 1 AF to P&R Cattle, and 165 AF to San Luis Water District. Daily values are averaged to include deliveries from February 1 through March 3.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

February 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/ 2/	Parks and Rec. Del.	
Jan 31	525.56	1,810,485						
1	526.19	1,818,187	7,702	4,494	0	135	0	-476
2	526.24	1,818,799	612	0	0	136	0	445
3	525.85	1,814,029	-4,770	0	2,707	144	0	446
4	525.81	1,813,540	-489	0	0	136	0	-111
5	525.78	1,813,173	-367	0	14	128	0	-43
6	526.10	1,817,086	3,913	3,044	0	132	0	-939
7	526.59	1,823,083	5,997	3,729	0	109	0	-597
8	527.36	1,832,521	9,438	5,607	0	92	0	-757
9	527.84	1,838,412	5,891	3,669	169	96	0	-434
10	528.48	1,846,278	7,866	4,686	0	53	0	-667
11	528.72	1,849,231	2,953	1,713	0	53	0	-171
12	528.87	1,851,077	1,846	1,077	0	52	0	-94
13	529.56	1,859,578	8,501	5,150	0	51	0	-813
14	529.78	1,862,291	2,713	1,859	0	99	0	-392
15	530.15	1,866,858	4,567	1,670	0	111	0	743
16	530.40	1,869,945	3,087	1,838	425	106	0	249
17	530.60	1,872,417	2,472	2,166	849	17	0	-54
18	531.11	1,878,724	6,307	3,486	0	15	0	-291
19	532.21	1,892,352	13,628	7,762	0	15	0	-876
20	533.15	1,904,025	11,673	6,600	0	14	0	-701
21	533.89	1,913,232	9,207	5,096	0	14	0	-440
22	534.69	1,923,203	9,971	5,690	0	14	0	-649
23	535.64	1,935,067	11,864	6,846	0	12	0	-853
24	536.06	1,940,320	5,253	3,831	776	10	0	-397
25	536.77	1,949,212	8,892	5,024	0	10	0	-531
26	537.47	1,957,992	8,780	4,953	0	12	0	-514
27	538.17	1,966,786	8,794	4,860	0	12	0	-414
28	538.29	1,968,294	1,508	1,533	699	77	1	4
Total			157,809	96,383	5,639	1,855	1	-9,327
Mean cfs			---	3,442	201	66	0	-333
Acre-feet			157,809	191,179	11,185	3,673	1	-18,511

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 2,743 AF, San Benito: 930 AF.

2/ Daily values are averaged to include deliveries from February 1 through March 3.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

February 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	9,468	7,593	0	0	8,913	3,811	267
2	9,799	7,197	0	0	0	0	270
3	9,546	6,988	5,369	5,369	0	0	285
4	10,293	7,754	0	0	0	0	270
5	8,890	6,389	27	27	0	0	253
6	9,911	7,533	0	0	6,037	419	261
7	7,155	4,734	0	0	7,397	4,374	216
8	10,351	7,863	0	0	11,122	8,417	182
9	11,767	9,473	336	336	7,278	4,417	191
10	10,769	8,305	0	0	9,295	6,594	105
11	11,824	9,302	0	0	3,398	1,002	105
12	10,710	8,158	0	0	2,137	-21	103
13	13,681	10,147	0	0	10,216	2,021	102
14	12,773	9,306	0	0	3,688	1,600	197
15	11,185	7,617	0	0	3,312	1,457	221
16	11,242	7,689	843	843	3,646	2,577	210
17	10,978	7,378	1,684	1,684	4,297	3,204	34
18	9,067	5,427	0	0	6,915	5,589	29
19	6,042	2,414	0	0	15,396	12,514	29
20	8,558	4,989	0	0	13,091	1,880	27
21	6,942	3,432	0	0	10,108	7,180	27
22	5,150	1,576	0	0	11,286	8,607	27
23	5,271	1,639	0	0	13,580	10,875	24
24	8,416	5,662	1,540	1,540	7,598	3,870	19
25	8,444	5,689	0	0	9,965	6,611	20
26	8,899	6,028	0	0	9,824	6,506	23
27	10,240	9,175	0	0	9,639	3,397	24
28	9,691	8,626	1,386	1,386	3,041	913	152
Total	267,062	188,083	11,185	11,185	191,179	107,814	3,673

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

February 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity 34,560 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jan 31	327.07	20,234					
1	327.20	20,295	61	31	0	0	0
2	327.24	20,314	19	10	0	0	-1
3	327.29	20,337	23	12	0	0	-1
4	327.34	20,360	23	12	0	0	-1
5	327.38	20,379	19	10	0	0	-1
6	327.41	20,393	14	7	0	0	0
7	327.44	20,407	14	7	0	0	0
8	327.47	20,421	14	7	0	0	0
9	327.50	20,435	14	7	0	0	0
10	327.54	20,454	19	10	0	0	-1
11	327.56	20,463	9	5	0	0	-1
12	327.59	20,477	14	7	0	0	0
13	327.61	20,486	9	5	0	0	-1
14	327.65	20,505	19	10	0	0	-1
15	328.48	20,896	391	230	0	33	0
16	329.91	21,579	683	544	0	200	1
17	329.65	21,454	-125	137	0	200	0
18	330.03	21,637	183	292	0	200	1
19	330.24	21,738	101	251	0	200	0
20	330.74	21,981	243	323	0	200	0
21	330.58	21,903	-78	161	0	200	-1
22	330.30	21,767	-136	132	0	200	-1
23	329.81	21,531	-236	81	0	200	1
24	329.23	21,253	-278	60	0	200	0
25	328.60	20,953	-300	49	0	200	0
26	327.96	20,651	-302	48	0	200	-1
27	327.26	20,323	-328	35	0	200	-1
28	326.81	20,114	-209	53	0	158	-1
Total			-120	2,536	0	2,591	-10
Mean cfs			---	87	0	89	---
Acre-feet			-120	5,030	0	5,140	-10

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

February 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Jan 31	602.60	826					
1	602.60	826	0	2	0	2	
2	602.60	826	0	2	0	2	
3	602.60	826	0	2	0	2	
4	602.60	826	0	2	0	2	
5	602.60	826	0	2	0	2	
6	Not Observed			2	0	2	
7	Not Observed			2	0	2	
8	Not Observed			2	0	2	
9	Not Observed			2	0	2	
10	Not Observed			2	0	2	
11	Not Observed			2	0	2	
12	602.60	826	0	2	0	2	
13	602.60	826	0	2	0	2	
14	602.60	826	0	2	0	2	
15	602.70	832	6	7	0	4	
16	602.90	844	12	17	0	11	
17	602.80	838	-6	11	0	14	
18	603.10	856	18	36	0	27	
19	603.20	863	7	37	0	33	
20	602.95	847	-16	10	0	18	
21	602.80	838	-9	4	0	9	
22	602.80	838	0	3	0	3	
23	602.80	838	0	3	0	3	
24	Not Observed			3	0	3	
25	602.60	826	-12	0	0	2	
26	602.60	826	0	2	0	2	
27	602.60	826	0	2	0	2	
28	602.60	826	0	2	0	2	
Total			0	165	0	161	---
Mean cfs			---	6	0	6	---
Acre-feet			0	327	0	319	-8

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct
San Luis Field Division, Monthly Deliveries

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries								
	Beginning and Ending					USBR	Transfer	DWR Recreation	USBR Recreation					
	No.	Structure	Mile											
2B	12	Check No. 12	66.71					271,043						
3A		San Luis Reservoir		Department of Parks and Recreation	1	2,743		1						
				San Felipe Division Santa Clara Water District	2,743									
				San Felipe Division San Benito Water District	930		930							
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation				1	3					
				Cattle Program	1									
				Department of Fish & Game	6									
		Thru	70.91	San Luis Water District	165	165		0	4					
			85.08	(Floodwater Inflow)	0									
		Reach 3 Subtotal:				172	165	0	3					
		Dos Amigos Pumping Plant	86.73					267,062						
4	14		89.03					1,742						
			Thru 94.06	San Luis Water District	1,742									
			89.66					490						
			Thru 89.67	Pacheco Water District	490									
			89.68	Panoche Water District	30	30								
	15		89.70	City of Dos Palos	62					62				
			Check No. 14	95.06										
			98.15					646						
			Thru 104.20	San Luis Water District	646									
			96.15					2,516						
			Thru 102.64	Panoche Water District	2,516	1								
				(Floodwater Inflow)	0									
			102.64	Broadview Water District	1									
			105.22					5,438						
			Thru 108.64	Westlands Water District	5,438									
			Check No.15	108.50										
			San Felipe Division Total:				3,673	3,673	0					
			Pacheco Water District Total:				490	490	0					
			Broadview Water District Total:				1	1	0					
			City of Dos Palos Total:				62	62	0					
			SLWD Reach 4 Subtotal:				2,553	2,553	0					
			Panoche Water District Total:				2,546	2,546	0					
			SLWD Total:				2,553	2,553	0					
			Westlands WD Reach 4 Subtotal:				5,438	5,438	0					

Table 19b. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure	Mile										
5	16		110.52	(Reverse flow, Kings River)	0	4,786	7,367	5,284	4,197				
			Thru	Westlands Water District	4,786								
			122.05	Department of Fish and Game	63								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	7,367								
			Thru										
		Check No. 17	132.74										
	18		133.81	Westlands Water District	5,284								
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	4,197								
			143.16	City of Coalinga	284								
		Check No. 18	143.23										
				Westlands WD Reach 5 Subtotal:	21,634	21,634	0	0	0				
6	19		145.26	Kings County through Lemoore Naval Air Station	103	7,707	103	1/ 1,195	1				
				Westlands Water District	7,707								
				Westlands Water District Lemoore Naval Air Station	1,195								
				Garrett Wheeladartor Frye Energy Company	1								
		Check No. 19	155.64										
				Westlands WD Reach 6 Subtotal:	7,707	7,707	0	0	0				
7	20		156.34	City of Huron	44	6,100	44	167	1,371				
			156.40	Westlands Water District	6,100								
			Thru										
			163.69										
	21	Check No. 20	164.69										
			164.79	City of Avenal	167								
			167.04	Westlands Water District	1,371								
			Thru										
			171.67										
		Check No. 21	172.40		211,439								
				Reach 7 Total:	7,682	7,682	0	0	0				
				Westlands WD Total:	42,250	42,250	0	0	0				
				City of Coalinga Total:	284	284	0	0	0				
				Kings County through Lemoore Naval Air Station	103	0	103	0	0				
				Westlands Water District Lemoore Naval Air Station	1,195	0	1,195	0	0				
				City of Huron Total:	44	44	0	0	0				
				GWF Energy	1	1							
				City of Avenal Total:	167	167	0	0	0				
Total San Luis Field Division Deliveries:					53,440	52,071	1,298	5	66				

1/ Westlands WD transferred 1,195 AF from County of Kings to Lemoore Naval Air Station.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

February 2005

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	Pools 14 & 15 2/	Pool 15	Pools 15 thru 21 3/	Flow Past Check 21	
Jan 31	27,589								
1	27,845	256	0	4,773	39	78	815	3,140	-572
2	28,139	294	0	4,940	40	79	819	3,110	-744
3	27,817	-322	0	4,813	39	57	994	3,758	-127
4	28,509	692	0	5,189	39	57	994	3,011	-739
5	27,692	-817	0	4,482	39	57	994	3,261	-543
6	28,076	384	0	4,997	39	57	994	3,582	-132
7	27,746	-330	0	3,607	39	57	994	2,609	-75
8	27,623	-123	0	5,219	39	57	994	4,000	-191
9	28,878	1,255	0	5,932	40	58	998	4,183	-21
10	28,940	62	0	5,429	68	54	933	4,116	-227
11	28,755	-185	0	5,961	68	54	933	4,739	-261
12	27,676	-1,079	0	5,400	68	54	933	4,680	-209
13	28,283	607	0	6,897	68	54	933	5,496	-40
14	28,683	400	0	6,440	68	54	933	5,079	-104
15	29,185	502	0	5,639	68	54	933	4,555	224
16	29,025	-160	1	5,668	70	55	938	5,175	488
17	29,171	146	1	5,535	55	26	529	4,837	-15
18	28,793	-378	2	4,571	55	26	529	4,254	101
19	28,047	-746	3	3,046	55	26	529	2,898	83
20	27,577	-470	3	4,315	55	26	529	4,095	150
21	27,693	116	4	3,500	55	26	529	2,969	133
22	27,895	202	14	2,596	55	26	529	2,023	125
23	27,787	-108	23	2,657	56	27	536	2,234	119
24	27,953	166	14	4,243	53	33	679	3,610	202
25	28,785	832	7	4,257	53	33	679	3,063	-16
26	27,954	-831	1	4,487	53	33	679	4,050	-92
27	27,727	-227	1	5,163	53	33	679	4,174	-339
28	27,987	260	6	4,886	53	33	679	3,897	-99
Total		398	80	134,642	1,482	1,284	22,237	106,599	-2,919
Mean cfs		---	3	4,809	53	46	794	3,807	-104
Acre-feet		398	159	267,062	2,940	2,546	44,108	211,439	-5,790

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 490 AF AG & 1 AF M&I to Pacheco W.D., 62 AF to the City of Dos Palos, and 2,387 AF to San Luis Water District.

3/ Includes 44 AF to the City of Huron, 167 AF to the City of Avenal, 284 AF to the City of Coalinga, 103 AF to Lemoore N.A.S. @ 30L, 1,195 AF to Kings County through Lemoore N.A.S. @ 30L, 1 AF to Broadview WD, 63 AF to DFG for Pilobos Wildlife @ 4L, and 42,251 AF to WWD.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

February 2005

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	46	46	40	35	40	3,754	3,825	3,710	3,640
2	35	35	32	29	32	3,817	3,836	3,720	3,723
3	37	37	32	29	33	4,104	4,286	4,096	4,171
4	32	32	43	41	51	4,134	4,163	3,996	4,028
5	51	51	39	35	39	4,270	4,317	4,224	4,174
6	54	54	54	50	56	5,171	5,253	5,070	5,111
7	52	52	48	43	49	2,919	3,111	2,990	2,917
8	72	72	55	52	57	2,969	2,898	2,823	2,799
9	102	102	42	37	43	2,687	2,610	2,549	2,594
10	153	153	53	48	56	2,226	2,176	2,053	1,943
11	185	185	47	44	49	3,848	3,882	3,774	3,787
12	272	272	54	50	55	4,151	4,033	3,888	3,825
13	274	274	59	55	59	5,240	5,430	5,362	5,313
14	208	208	42	39	43	4,218	4,245	4,162	4,038
15	315	315	49	45	51	3,988	4,164	4,034	3,971
16	307	307	36	34	38	4,083	4,095	4,069	3,984
17	208	208	46	41	47	4,135	4,126	3,986	3,935
18	149	149	47	44	49	3,385	3,451	3,302	3,222
19	94	94	43	39	43	2,338	2,460	2,373	2,429
20	111	111	40	38	42	3,715	3,799	3,658	3,658
21	118	118	50	45	52	1,508	1,510	1,493	1,510
22	90	90	46	42	48	363	420	448	394
23	102	102	48	45	49	2,808	2,771	2,730	2,703
24	110	110	48	44	50	3,365	3,067	2,968	2,799
25	127	127	48	44	49	3,497	3,424	3,354	3,281
26	119	119	45	41	47	4,202	4,306	4,182	4,029
27	118	118	51	46	54	3,218	3,235	3,124	3,062
28	81	81	44	41	46	2,198	2,427	2,365	2,382
Total	3,622	3,622	1,281	1,176	1,327	96,311	97,320	94,503	93,422

Table 22a. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	USBR	Article 12E Carryover	Article 21	Other		
	No.	Structure	Mile									
7	21	Check No. 21	172.40		211,439							
8C	22			Empire West Side Irrig. Dist. TL - A	234	21 1 60 13 1	805 1,393 100 646 2,778 3,815 2,759 24	805 1,393 100 646 2,778 3,815 2,759 24	1/ 234	1/ 234		
				172.66	County of Kings TL - A							
					TLBWSD TL-A							
				175.18	DRWD - 1							
				177.54	DRWD - 1B							
				180.64	TLBWSD - C							
				180.65	DRWD - 1A							
				182.99	DRWD - 2							
				183.00	Tulare Lake Basin WSD TL - B							
				184.00	DRWD - Paramount							
31A	8D			184.63	Coastal Branch	96	0	0	4,941	4		
				184.78	Dudley Ridge Water Dist. DRWD - 3							
8D	23			Dudley Ridge Reach 8D Total:	5,041	0	3,815	3,815	3,564	0		
				Tulare Lake Basin WSD Total:	7,379							
				Check No. 22	184.82							
				189.69	Kern County Water Agency Lost Hills Water Dist. - 1	20	1,107	10	2/ 50			
				191.18	Kern County Water Agency Lost Hills Water Dist. - 2							
				194.22	Kern County Water Agency Lost Hills Water Dist. - 3							
				196.40	Kern County Water Agency Berrenda Mesa - 2							
				196.75	Kern County Water Agency Lost Hills Water Dist. - 4							
				K.C.W.A. Reach 9 Subtotal:	1,242							
10A	24			Check No. 23	197.05	20	0	0	1,172	50		
				201.24	Kern County Water Agency Lost Hills Water Dist. - 7							
				202.05	Kern County Water Agency Lost Hills Water Dist. - 5							
				204.69	Kern County Water Agency Lost Hills Water Dist. - 6							
				205.26	Kern County Water Agency Lost Hills Water Dist. - 8							
				Check No. 24	207.94							
	25			209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	158 264 1 477	581	581	3/ 599	3/ 599		
				209.78	Kern National Wildlife Refuge USBR BV-1B							
					Kern County Water Agency Buena Vista WSD 1B							
				209.80	KCWA Semitropic WSD							
					KCWA Semitropic WSD Penstocks							
					USBR Total:							
					K.C.W.A. Reach 10A Subtotal:	16,250	900	0	0	728	14,622	

1/ Wet weather Table A carryover. (Empire Only)

2/ Table A carryover under article 56.

3/ Alameda County WD, 599 AF of carryover to Semitropic WSD.

4/ Alameda County WD (2,049 AF), Alameda County Zone 7 WA (4,895 AF), and Santa Clara WWD (7,079 AF) carryover to Semitropic WSD.

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Recovery of Pump In	Article 56 Carryover	Article 21	Other 2/		
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0	1,689		357	782			
			214.11	Kern County Water Agency Belridge - 3	357							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	2,471							
				Kern County Water Agency Belridge - 5D	86		86					
		Check No. 25	217.79									
				K.C.W.A. Reach 11B Subtotal:	2,914	1,775	0	0	1,139	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	234		234				
				Kern County Water Agency West Kern - 3	234							
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	2,147	41	2,147	5,145	40,360			
		Check No. 27	231.73									
	28		235.75	Kern County Water Agency Buena Vista - 2	5,145							
				Kern County WA CVC	40,401							
				DRWD CVC	0							
				Tulare Co.	0							
			238.04	Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda								
		Check No. 28	238.11	DWR Wells	0							
13B	29		1/ Arvin Edison Total:	0	0	740	0	0	0	0		
			Reach 12E Subtotal:	47,693	0							
			238.19	Kern Water Bank Inflow	33,124							
				Kern Water Bank Outflow	0							
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	740							
				KCWA Buena Vista WSD - 5	0	1,283	1,330	2,473	30,524	2,600		
			243.09	Kern County Water Agency Buena Vista - 3	5,086							
			Check No. 29	Buena Vista WSD	0							
	30		244.54	Kern County Water Agency Buena Vista - 4	0							
			249.85	Buena Vista Pumping Plant	96,311							
		Buena Vista Pumping Plant	250.99									
				K.C.W.A. Reach 13B Subtotal:	38,950	2,023	0	1,330	32,997	2,600		
14A	31		254.47	Kern County Water Agency West Kern - 2	0	13						
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	13							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Dudley Ridge WD Article 21 water to Kern Water Bank.

Table 22c. Governor Edmund G. Brown California Aqueduct
San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Recovery of Pump In	Article 56 Carryover	Article 21	Other		
	No.	Structure	Mile									
14A	31	Check No. 31	256.14			122						
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	122							
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	179							
		Check No. 32	261.72									
				KCWA Reach 14A Subtotal:	314		0	0	0	0		
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	328	328						
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	14							
	Check No. 33	267.36										
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	856							
		Check No. 34	271.27									
				Reach 14B Total:	1,198		0	0	0	0		
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	240	240						
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	294							
			277.30	Kern County Water Agency Arvin-Edison WSD AE	5							
				Reach 14C Total:	539		0	0	0	0		
	Teerink Pumping Plant	278.13			97,320							
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	4	4						
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	501							
				Reach 15-A Total:	505		0	0	0	0		
		Chrisman Pumping Plant	280.36		94,503							
			282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0							
16A	37	Check No. 37	283.95									
			285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	6	6						
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	28							
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0							
	Check No. 38	287.09										
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	5							
		Check No. 39	290.21									
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	21	21						
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	1							
				Kern County Water Agency Tehachapi Cummings CWD	0							
				K.C.W.A. Reach 16A Subtotal:	61		61	0	0	0		
17E	Edmonston Pumping Plant	293.45			93,422							

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Recovery of Pump In	Article 56 Carryover	Article 21	Other		
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02		3,622	500	916	233	771			
		Las Perillas Pumping Plant	1.16		3,622							
	C-2		3.79	Green Valley Water District	0							
		Badger Hill Pumping Plant	4.27		3,622							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	916							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	233							
			14.83	Kern County Water Agency Berrenda Mesa - 1	1,271							
				Kern County Water Agency Berrenda Mesa - PO	0							
		Devil's Den Pumping Plant	14.86		1,281							
				K.C.W.A. Reach 31A Subtotal:	1,504	500	0	0	1,004	0		
				K.C.W.A. Total:	111,404	8,069	0	1,421	84,692	17,222		
33A	C-7	Bluestone Pumping Plant	19.05		1,176	972	111	210				
	C-8	Polonio Pass Pumping Plant	26.54		1,327							
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant								
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	972							
		Tank Site 2	58.63	Central Coast:	0							
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	321	1,083	0	0	210	0		
		Energy Dissipater	78.12									
35	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0							
				CCWA Total:	1,293							
		Guadalupe T.O.	102.70	SBCFC & WCD	0							
		Santa Maria T.O.	107.43	SBCFC & WCD	0							
38		So. Cal. Water T.O.	109.20	SBCFC & WCD	0	0	0	0	0	0		
				SBCFC & WCD Total:	0							
		Tank Site 5	115.42									

Table 24. Southern Field Division Plant Data

(in acre-feet)

February 2005

Date	West Branch					East Branch											
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Cherry Valley	Green Spot	Crafton Hills	
		Generation	Bypass	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume					
28	1	1,103	1,530	0	0	2,231	0	313	2,121	2,009	0	0	2,475	0	0	0	
	2	1,330	1,526	0	332	2,155	0	233	2,285	2,079	0	0	2,501	0	0	0	
	3	1,592	1,526	0	1,320	2,161	0	375	2,492	2,521	0	0	2,572	0	0	0	
	4	1,520	1,434	0	3,361	2,090	0	375	2,410	2,615	0	0	2,679	0	0	0	
	5	1,518	1,532	0	292	2,262	0	428	2,597	2,666	0	0	2,572	0	0	0	
	6	2,239	1,529	0	241	2,878	0	25	2,730	2,722	0	0	2,926	0	0	0	
	7	865	1,430	0	1,688	1,762	0	320	1,968	2,064	0	0	1,721	0	0	0	
	8	1,222	1,433	0	1,442	1,419	0	158	1,540	1,484	0	0	1,554	5	0	0	
	9	1,113	1,435	0	2,307	1,371	0	56	1,359	1,335	0	0	1,805	0	0	0	
	10	1,220	1,418	0	2,245	767	0	0	947	858	0	0	2,014	5	22	22	
	11	1,652	1,486	47	2,252	1,956	0	181	2,099	2,032	0	0	2,272	0	0	0	
	12	1,652	1,484	0	5	1,980	0	223	2,074	2,254	0	0	2,263	0	0	0	
	13	2,345	1,481	0	2,053	2,801	0	213	2,852	2,697	0	0	2,453	0	0	0	
	14	1,319	1,474	0	3,537	2,488	0	233	2,370	2,271	0	0	2,948	0	0	0	
	15	1,381	1,482	0	3,363	2,370	0	255	2,526	2,540	0	0	2,620	0	0	0	
	16	1,372	1,476	0	2,534	2,470	0	129	2,587	2,526	0	0	2,845	0	0	0	
	17	1,296	1,526	0	2,385	2,466	0	218	2,449	2,771	0	0	2,298	0	0	0	
	18	1,439	1,127	0	2,872	1,604	0	191	1,739	1,732	0	0	2,469	0	0	0	
	19	0	0	0	5,795	2,179	0	220	2,544	2,244	0	0	2,267	0	0	0	
	20	562	0	0	7,681	2,894	0	248	3,080	2,804	0	0	2,470	0	0	0	
	21	0	0	0	3,360	1,330	0	164	1,938	2,152	0	0	2,334	0	0	0	
	22	0	0	65	404	0	35	0	0	15	0	0	2,421	0	0	0	
	23	0	0	109	391	0	387	0	0	216	210	0	0	2,465	0	0	0
	24	0	266	0	160	2,447	0	155	2,621	2,579	0	0	2,396	0	0	0	
	25	0	0	0	425	2,681	0	256	2,948	2,890	0	0	2,788	0	0	0	
	26	0	0	0	412	3,037	0	236	3,063	3,115	0	0	2,538	0	0	0	
	27	0	0	0	967	3,644	0	393	3,860	3,870	0	0	2,700	0	0	0	
	28	0	0	0	537	2,838	0	261	2,852	2,952	0	0	2,851	0	15	15	
	Total	26,740	26,595	221	52,361	0	58,668	35	5,859	62,267	62,007	0	0	68,217	10	37	37

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake

Daily Operation

Capacity: 171,200 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	
				Project		Natural	Project		Natural	United Water Agency		
				Castaic Powerplant Pumpback 1/	Warne Powerplant	Stream Flow	Castaic Powerplant Generation 1/	Recreation Deliveries	To Piru Creek			
Jan 31	2573.84	164,586										
1	2575.06	166,133	1,547	0	1,530	274	0	0	45	0	-212	
2	2576.17	167,549	1,416	0	1,526	236	332	0	43	0	29	
3	2576.28	167,690	141	0	1,526	230	1,320	0	177	0	-118	
4	2574.84	165,853	-1,837	0	1,434	225	3,361	0	218	0	83	
5	2575.33	166,477	624	0	1,532	221	292	0	172	0	-665	
6	2576.87	168,446	1,969	0	1,529	216	241	0	222	0	687	
7	2576.60	168,100	-346	0	1,430	214	1,688	0	163	0	-139	
8	2576.57	168,061	-39	0	1,433	210	1,442	0	160	0	-80	
9	2575.91	167,217	-844	0	1,435	203	2,307	0	144	0	-31	
10	2575.32	166,464	-753	0	1,418	199	2,245	0	122	0	-3	
11	2575.23	166,350	-114	0	1,533	855	2,252	0	158	0	-92	
12	2576.91	168,498	2,148	0	1,484	765	5	0	47	0	-49	
13	2576.68	168,203	-295	0	1,481	567	2,053	0	55	0	-235	
14	2575.33	166,477	-1,726	0	1,474	390	3,537	0	54	0	1	
15	2573.81	164,548	-1,929	0	1,482	348	3,363	0	53	0	-343	
16	2573.18	163,753	-795	0	1,476	324	2,534	0	50	0	-11	
17	2572.83	163,312	-441	0	1,526	565	2,385	0	54	0	-93	
18	2576.40	167,844	4,532	0	1,127	6,353	2,872	0	54	0	-22	
19	2577.00	168,613	769	0	0	6,615	5,795	0	48	0	-3	
20	2575.65	166,885	-1,728	0	0	5,976	7,681	0	49	0	26	
21	2576.90	168,485	1,600	0	0	14,124	3,360	0	8,927	0	-237	
22	2577.08	168,716	231	0	65	7,217	404	0	6,614	0	-33	
23	2576.89	168,472	-244	0	109	5,815	391	0	5,725	0	-52	
24	2576.63	168,138	-334	0	266	3,675	160	0	4,109	0	-6	
25	2575.91	167,217	-921	0	0	2,351	425	0	2,861	0	14	
26	2575.89	167,191	-26	0	0	2,070	412	0	1,699	0	15	
27	2575.85	167,140	-51	0	0	2,274	967	0	1,374	0	16	
28	2576.06	167,409	269	0	0	1,313	537	0	514	0	7	
Total			2,823	0	2/ 26,816	63,825	52,361	0	33,911	0	-1,546	

1/ Values supplied by LADWP, not verified by DWR.

2/ Includes 221 AF of bypass.

Table 26. Elderberry Forebay

Daily Operation
(in acre-feet except as noted)

Capacity: 32,476 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Jan 31	1514.70	21,039								
1	1506.20	17,751	-3,288	0	83	0	83	3,215	-73	
2	1507.10	18,085	334	332	76	0	76	0	2	
3	1500.20	15,597	-2,488	1,320	76	0	76	3,657	-151	
4	1504.40	17,091	1,494	3,361	74	0	74	1,833	-34	
5	1505.30	17,419	328	292	74	0	74	0	36	
6	1506.10	17,714	295	241	69	0	69	0	54	
7	1510.10	19,223	1,509	1,688	66	0	66	0	-179	
8	1506.70	17,936	-1,287	1,442	61	0	61	2,516	-213	
9	1506.50	17,862	-74	2,307	27	0	27	2,374	-7	
10	1506.50	17,862	0	2,245	24	0	24	2,241	-4	
11	1506.00	17,677	-185	2,252	86	0	86	2,473	36	
12	1506.30	17,788	111	5	109	0	109	0	106	
13	1511.80	19,883	2,095	2,053	108	0	108	0	42	
14	1513.00	20,357	474	3,537	100	0	100	2,765	-298	
15	1508.60	18,650	-1,707	3,363	83	0	83	5,007	-63	
16	1509.70	19,069	419	2,534	69	0	69	2,057	-58	
17	1515.70	21,445	2,376	2,385	60	0	60	0	-9	
18	1516.30	21,691	246	2,872	155	0	155	2,811	185	
19	1520.30	23,369	1,678	5,795	195	0	195	5,322	1,205	
20	1526.30	25,995	2,626	7,681	1,971	0	1,971	3,314	-1,741	
21	1530.30	27,820	1,825	3,360	6,538	0	6,538	3,434	1,899	
22	1522.70	24,404	-3,416	404	5,210	0	5,210	1,259	-2,561	
23	1516.20	21,650	-2,754	391	4,439	0	4,439	830	-2,315	
24	1511.90	19,923	-1,727	160	2,216	0	2,216	1,072	-815	
25	1510.30	19,300	-623	425	981	0	981	1,166	118	
26	1509.40	18,954	-346	412	682	0	682	1,775	1,017	
27	1508.90	18,763	-191	967	581	0	581	1,376	218	
28	1508.50	18,612	-151	537	514	0	514	875	187	
Total				-2,427	52,361	24,727	0	24,727	51,372	-3,416

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay /1		Natural	Deliveries		
				Natural	Project				
Jan 31	1497.68	286,338							
1	1498.34	287,712	1,374	83	3,215	111	2,148	0 113	
2	1497.36	285,673	-2,039	76	0	107	2,093	0 -129	
3	1498.18	287,379	1,706	76	3,657	99	2,130	0 4	
4	1498.15	287,316	-63	74	1,833	94	2,129	0 65	
5	1497.19	285,320	-1,996	74	0	92	2,129	0 -33	
6	1496.20	283,270	-2,050	69	0	90	2,129	0 -80	
7	1495.33	281,475	-1,795	66	0	83	2,106	0 162	
8	1495.59	282,011	536	61	2,516	78	2,147	0 28	
9	1495.71	282,258	247	27	2,374	74	2,297	0 69	
10	1495.72	282,279	21	24	2,241	71	2,256	0 -59	
11	1496.34	283,559	1,280	86	2,473	137	1,829	0 413	
12	1495.79	282,423	-1,136	109	0	115	1,274	0 -86	
13	1495.31	281,434	-989	108	0	99	1,111	0 -85	
14	1496.29	283,456	2,022	100	2,765	91	1,155	0 221	
15	1498.32	287,670	4,214	83	5,007	82	995	0 37	
16	1498.98	289,049	1,379	69	2,057	76	866	0 43	
17	1498.66	288,380	-669	60	0	79	884	0 76	
18	1500.22	291,648	3,268	155	2,811	233	808	0 877	
19	1503.14	297,825	6,177	195	5,322	812	728	0 576	
20	1506.23	304,444	6,619	1,971	3,314	769	673	0 1,238	
21	1507.29	306,735	2,291	6,538	3,434	2,735	539	9,464 -413	
22	1507.88	308,014	1,279	5,210	1,259	1,547	34	7,562 859	
23	1508.66	309,710	1,696	4,439	830	1,228	12	4,661 -128	
24	1508.96	310,364	654	2,216	1,072	893	21	3,769 263	
25	1508.69	309,775	-589	981	1,166	724	28	3,769 337	
26	1508.18	308,666	-1,109	682	1,775	664	37	3,769 -424	
27	1507.79	307,819	-847	581	1,376	543	20	3,348 21	
28	1507.86	307,970	151	514	875	461	23	1,486 -190	
Total			21,632	24,727	51,372	12,187	32,601	37,828 3,775	

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Rec.	Local	Article 56 Carryover	Flexible Payback		
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		26,740							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved							
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
		Warne Power Plant	14.07	Includes 221 AF of bypass	26,816							
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0							
			14.10	United Water Conservation Dist.	0							
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0							
		Castaic Power Plant	25.82	(No pumpback) 2/	52,361							
29J	W4	Elderberry Forebay										
		Forebay Dam	28.12									
30 1/	W5	Castaic Lake		Calif. State Park Castaic Lake Recreation	27							
		Castaic Dam	31.47									
		Castaic Lake Outlet	31.55	MWD - 78"	5,058							
				MWD - 132"	26,371							
				Castaic Lake WA - T1	843							
				Castaic Lake WA	302							
				United Water Conservation Dist.	0							
				MWD - Ventura County FCD	0							
				LA Co. Parks & Recreation	0							
				Releases to Lagoon	37,828							
				Reach 30 Subtotal:	32,601	0	27	0	32,574	0		
	W6	Castaic Lagoon		Recreation to Lagoon	0							
		Castaic Lagoon Outlet	31.87		37,570							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value supplied by LADWP, not verified by DWR.

Table 29. Silverwood Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 74,970 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
							Project			Del. To Mojave W.A.			
Jan 31	3352.38	72,436		Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel				
1	3352.07	72,140	-296	2,009	0	92	2	0	2,475	0	0	80	
2	3351.85	71,930	-210	2,079	0	80	1	0	2,501	0	0	133	
3	3351.85	71,930	0	2,521	0	70	1	0	2,572	0	0	-18	
4	3351.96	72,035	105	2,615	0	66	1	0	2,679	0	0	104	
5	3352.25	72,312	277	2,666	0	62	1	0	2,572	0	0	122	
6	3352.21	72,274	-38	2,722	0	85	0	1	2,926	0	0	82	
7	3352.72	72,762	488	2,064	0	89	1	0	1,721	0	0	57	
8	3352.72	72,762	0	1,484	0	79	1	0	1,554	0	0	-8	
9	3352.33	72,389	-373	1,335	0	75	0	1	1,805	0	0	23	
10	3351.23	71,340	-1,049	858	0	73	1	0	2,014	0	0	35	
11	3351.82	71,901	561	2,032	0	875	1	0	2,272	0	73	0	
12	3352.52	72,571	670	2,254	0	1,391	1	0	2,263	0	268	-443	
13	3353.00	73,032	461	2,697	0	604	1	0	2,453	0	161	-225	
14	3352.47	72,523	-509	2,271	0	377	1	0	2,948	0	162	-46	
15	3352.52	72,571	48	2,540	0	291	2	0	2,620	0	161	0	
16	3352.30	72,360	-211	2,526	0	242	1	0	2,845	0	160	27	
17	3352.86	72,897	537	2,771	0	230	2	1	2,298	0	298	135	
18	3352.24	72,302	-595	1,732	0	616	3	0	2,469	0	430	-41	
19	3352.78	72,820	518	2,244	0	1,627	4	0	2,267	0	997	-85	
20	3353.23	73,253	433	2,804	0	1,640	3	0	2,470	0	1,538	0	
21	3352.30	72,360	-893	2,152	0	2,762	4	0	2,334	0	3,468	-1	
22	3349.43	69,641	-2,719	15	0	2,595	3	0	2,421	0	2,754	-151	
23	3346.43	66,859	-2,782	210	0	1,978	3	1	2,465	0	2,019	-482	
24	3346.61	67,023	164	2,579	0	1,376	3	0	2,396	0	1,181	-211	
25	3346.65	67,061	38	2,890	0	1,117	4	0	2,788	0	620	-557	
26	3347.47	67,817	756	3,115	0	951	0	0	2,538	0	606	-166	
27	3348.79	69,042	1,225	3,870	0	802	0	0	2,700	0	622	-125	
28	3349.07	69,304	262	2,952	0	695	1	0	2,851	0	621	88	
Total				-3,132	62,007	0	20,940	47	4	68,217	0	16,139	-1,672
1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.												866	

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

February 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jan 31	1583.16	115,933				
1	1583.10	115,800	-133		263	
2	1583.02	115,623	-177		189	
3	1582.97	115,512	-111		196	
4	1582.86	115,269	-243		185	
5	1582.80	115,136	-133		344	
6	1582.72	114,960	-176		157	
7	1582.77	115,070	110		109	
8	1582.80	115,136	66		102	
9	1582.77	115,070	-66		89	
10	1582.86	115,269	199		9	
11	1582.86	115,269	0		9	
12	1582.94	115,446	177		20	
13	1582.99	115,557	111		20	
14	1582.94	115,436	-121		10	
15	1582.91	115,380	-56		91	
16	1582.91	115,380	0		9	
17	1582.91	115,380	0		9	
18	1582.97	115,512	132		9	
19	1583.24	116,110	598		12	
20	1583.19	115,999	-111		13	
21	1583.38	116,421	422		11	
22	1583.49	116,665	244		15	
23	1583.60	116,909	244		15	
24	1583.20	116,008	-901		14	
25	1583.43	116,531	523		11	
26	1583.54	116,776	245		12	
27	1583.60	116,909	133		11	
28	1583.60	116,909	0		11	
Total			976	2,063	1,945	858

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A Amount	Rec.	Transfer	Purchase Pool A	Transfer Local Out		
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		93,422							
	41		298.65	Kern County Water Agency Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42	Check No. 42	304.99									
19	43	Alamo Powerplant	305.73	(Does not include 5,859 AF flow down Cottonwood Chute)	1/ 58,703							
			308.05	Antelope Valley-East Kern WA	0							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West	0							
	45	Check No. 44	314.81									
			314.93	AVEK 235th Street West	0							
			315.57	AVEK 225th Street West	0							
	46	Check No. 45	319.74									
			323.19	Antelope Valley-East Kern WA Fairmont	118		118	24	0	0		
				Mojave Water Agency Fairmont	24							
		Check No. 46	323.84									
				Reach 19 Total:	142		142	0	0	0		
20A	47	Check No. 47	326.77									
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	27		27	894	4			
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed							
		Check No. 48	330.82									
	49	Check No. 49	335.93									
	50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0							
				Antelope Valley-East Kern WA	894							
				339.68 Antelope Valley-East Kern WA	4							
20B		Check No. 50	341.51									
	51	Check No. 51	342.07									
	52		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use							
		Check No. 52	343.74									
	53		346.98	PWD Palmdale	79		79	39	7	1		
				Antelope Valley-East Kern WA Acton Treatment Plant	39							
		Check No. 53	348.14									
21	54	Check No. 54	350.25									
	55	Check No. 55	352.70									
	56	Check No. 56	354.76									
			354.97 Littlerock Creek I.D.		0							
22A	57	Check No. 57	356.93									
	58		357.60	Antelope Valley-East Kern WA	7		7	1	86			
			357.72	Antelope Valley-East Kern WA 96th Street East	1							
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	86							

1/ Includes 35 AF of bypass.

Table 31b. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

February 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A Amount	Rec	Article 56 Carryover	Article 21	Other	Local		
	No.	Structure	Mile										
22B	58	Pearblossom Pumping Plant	360.61		62,267	752	4	1,320	20,955	2/ 180	47		
	59	Check No. 59	366.09										
	60		366.50		Antelope Valley-East Kern WA								
		Check No. 60	373.94										
	61	Check No. 61	379.00										
	62	Check No. 62	384.26										
	63	Check No. 63	389.20		Mojave Water Agency Mojave River								
			394.60		Mojave Water Agency Temporary								
	64	Check No. 64	395.10										
	65	Check No. 65	400.32										
	66		401.10		Mojave Water Agency Morongo 24" and 42"								
23					61								
	Check No. 66		403.41										
24		Mojave Siphon	405.48		Las Flores Ranch	866	4	1,320	20,955	2/ 180	47		
		Mojave Siphon Powerplant	405.65										
25	67	Silverwood Lake	407.65		Crestline Lake Arrowhead Water Agency	47	4	1,320	20,955	2/ 180	47		
					Calif. State Park Silverwood Agency (Rec.)								
26A	68	San Bernardino Tunnel Intake	407.70			68,217	4	1,320	20,955	2/ 180	47		
28G	68	Devil Canyon Afterbay Control Structures	412.88		MWD-SC Rialto	22,275	4	1,320	20,955	2/ 180	47		
					Desert Water Agency (MWD Wheeling Exchange)								
					MWD-SC T290								
					San Gabriel Valley Water District								
					Coachella Valley WD (MWD Wheeling Exchange)								
					San Bernardino Valley MWD 24" and 72"								
					San Bernardino Valley MWD 48"								
					MWD (SBVMWD Exchange) T291								
					San Gorgonio Pass Water Agency								
28H	69	Santa Ana Valley Pipeline	425.46			2,632	4	1,320	20,955	2/ 180	47		
28J			433.06		MWD-SC Box Springs								
			440.05		MWD-SC Perris Bypass Pipeline								
			442.00		MWD-SC 18"								
	69	Lake Perris	443.44		MWD-SC 54"	521	4	1,320	20,955	2/ 180	47		
					MWD-SC 78"								
					Calif. State Park Lake Perris Recreation								
					MWD Total:								

1/ Water turned at Mojave Siphon in exchange for storage in Silverwood.

2/ San Gabriel received 180 AF of Dudley Ridge's 2004 Table A water.

Table 32. Water Quality At Selected SWP Locations

February 2005

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	44	111	84	98	85	89	89	90	73
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.1
Bromide	mg/l	<0.01	0.05	0.10	0.22	0.12	0.15	0.14	0.11	0.18
Calcium	mg/l	8	18	22	34	24	27	28	24	22
Carbon - Dissolved Organic	mg/l as C	NR	11	7	5	7	7	7	7	5
Carbon - Total Organic	mg/l as C	NR	12	7	6	7	7	8	7	5
Chloride	mg/l	1	44	45	100	56	66	66	51	70
Chromium	mg/l	<0.001	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002
Copper	mg/l	<0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002
Fluoride	mg/l	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO ₃	36	119	104	159	118	129	132	113	104
Iron	mg/l	<0.005	0.129	0.075	0.014	0.029	0.037	0.025	0.044	0.015
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	18	12	18	14	15	15	13	12
Manganese	mg/l	<0.005	0.089	0.028	0.009	0.013	0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	<0.01	0.33	1.20	NR	1.30	1.50	1.70	1.40	1.40
Phosphorus-Ortho	mg/l as P	<0.01	0.11	0.12	NR	0.12	0.13	0.15	0.12	0.09
Phosphorus-Total	mg/l	0.02	0.26	0.14	NR	0.18	0.19	0.22	0.22	0.12
Selenium	mg/l	<0.001	<0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001
Sodium	mg/l	4	49	35	79	42	51	52	39	48
Specific Conductance	µS/cm	147	428	346	710	480	503	504	406	432
Sulfate	mg/l	2	38	41	102	51	63	64	47	40
Total Dissolved Solids	mg/l	106	264	235	403	267	299	306	244	251
Turbidity	NTU	3	52	13	39	11	12	24	21	8
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

February 2005

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Rio Vista	Electrical Conductivity in milliSiemens/cm								Cl in mg/l		
			Net Delta Outflow Index			Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average	md	md	md	14dm	md	14dm	md	md	md	md	md	
38	1	2.57	0.70	27,826	27,826	26,835	0.33	0.29	0.22	0.26	0.28	0.29	0.39	0.81	0.49	53
	2	2.76	0.81	31,728	29,777	24,993	0.32	0.33	0.20	0.25	0.29	0.29	0.39	0.85	0.52	47
	3	3.14	1.09	29,268	29,607	23,172	0.31	0.36	0.21	0.25	0.28	0.29	0.53	0.88	0.52	53
	4	3.42	1.23	27,032	28,964	21,718	0.30	0.51	0.22	0.25	0.28	0.29	0.51	0.89	0.66	53
	5	3.72	1.47	23,527	27,876	20,506	0.30	0.72	0.22	0.25	0.28	0.29	0.49	0.90	0.66	45
	6	3.86	1.55	20,480	26,643	19,540	0.30	0.75	0.23	0.25	0.27	0.29	0.52	0.89	0.68	47
	7	3.82	1.43	17,453	25,331	18,595	0.31	0.67	0.24	0.25	0.27	0.29	0.49	0.91	0.59	42
	8	3.58	1.25	15,623	24,117	17,794	0.31	0.61	0.25	0.25	0.27	0.29	0.48	0.91	0.58	45
	9	3.33	1.08	13,758	22,966	17,369	0.31	0.55	0.25	0.24	0.27	0.28	0.48	0.90	0.59	40
	10	3.15	1.03	13,768	22,046	17,048	0.31	0.53	0.26	0.24	0.27	0.28	0.47	0.91	0.60	46
	11	3.01	1.16	16,346	21,528	19,404	0.33	0.55	0.26	0.24	0.28	0.28	0.46	0.92	0.60	45
	12	2.87	1.17	17,601	21,201	20,425	0.33	0.47	0.26	0.24	0.28	0.28	0.47	0.91	0.62	48
	13	2.81	1.02	15,969	20,798	18,592	0.32	0.42	0.25	0.24	0.28	0.28	0.47	0.89	0.62	46
	14	2.89	0.94	13,298	20,263	16,417	0.32	0.41	0.24	0.24	0.28	0.28	0.46	0.90	0.59	48
	15	3.03	1.06	13,684	19,824	15,214	0.33	0.48	0.23	0.24	0.28	0.28	0.42	0.91	0.61	46
	16	3.17	1.32	17,891	19,703	16,057	0.33	0.59	0.24	0.24	0.29	0.28	0.46	0.42	0.60	46
	17	3.16	1.38	20,652	19,759	17,167	0.32	0.69	0.24	0.24	0.29	0.28	0.42	0.41	0.63	44
	18	3.54	1.72	24,027	19,996	18,274	0.33	1.26	0.25	0.24	0.29	0.28	0.42	0.49	0.60	47
	19	3.54	1.83	25,858	20,305	18,518	0.34	1.43	0.26	0.25	0.30	0.28	0.43	0.43	0.00	46
	20	3.62	1.88	25,588	20,569	18,012	0.36	1.62	0.27	0.25	0.29	0.28	0.44	0.35	0.00	47
	21	3.60	1.77	23,460	20,707	17,619	0.35	1.10	0.27	0.25	0.29	0.28	0.45	0.36	0.00	49
	22	3.80	1.93	28,843	21,076	22,149	0.35	0.90	0.27	0.25	0.29	0.28	0.44	0.37	0.45	52
	23	3.60	1.80	34,788	21,673	26,777	0.33	0.46	0.27	0.26	0.29	0.29	0.45	0.53	0.48	56
	24	3.30	1.57	33,152	22,151	27,897	0.32	0.30	0.25	0.25	0.28	0.29	0.47	0.65	0.51	58
	25	3.03	1.38	30,475	22,484	25,982	0.31	0.25	0.22	0.25	0.29	0.29	0.50	0.73	0.53	63
	26	2.86	1.41	29,041	22,736	25,023	0.31	0.23	0.22	0.25	0.29	0.29	0.40	0.77	0.54	60
	27	2.90	1.38	27,068	22,897	24,062	0.30	0.21	0.22	0.25	0.29	0.29	0.49	0.81	0.56	65
	28	3.12	1.37	31,674	23,210	24,160	0.30	0.20	0.23	0.25	0.29	0.29	0.54	0.68	0.55	64

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

February 2005

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 15, 2004	None Detected	
California Aqueduct At Banks Pumping Plant	September 15, 2004	2,4-D	0.20
O'Niell Forebay Outlet Check 13	September 15, 2004	2,4-D	0.1
Delta Mendota Canal At McCabe Road	September 15, 2004	2,4-D	0.3
California Aqueduct Near Kettleman City (Check 21)	September 15, 2004	2,4-D	0.2
California Aqueduct At Near Highway 119 (Check 29)	September 15, 2004	2,4-D	0.1
California Aqueduct at Devil Canyon Headworks	September 15, 2004	2,4-D	0.1
California Aqueduct At Tehachapi Afterbay (Check 41)	September 15, 2004	None Detected	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

February 2005

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	961,920	1,440	9,548	20,146	3,647,808	3,647,808	51,500	140
2	1,410,912	0	9,184	20,930	1,221,696	1,221,696	41,640	139
3	1,309,536	0	9,548	21,189	572,352	572,352	46,850	143
4	947,520	0	10,031	23,184	575,808	575,808	57,475	141
5	551,808	0	10,262	22,008	1,676,928	1,676,928	67,585	142
6	57,312	0	9,695	20,692	2,791,872	2,791,872	55,570	141
7	491,040	0	9,660	20,195	3,471,360	3,471,360	77,685	141
8	832,896	0	9,849	23,373	3,511,296	3,511,296	115,595	140
9	594,720	0	9,723	22,799	3,480,384	3,480,384	108,890	140
10	30,528	0	8,869	21,581	3,404,928	3,404,928	108,620	157
11	1,297,440	0	7,987	20,622	3,519,936	3,519,936	108,790	189
12	598,176	0	7,924	23,562	3,516,864	3,516,864	108,460	201
13	26,784	0	8,274	20,797	3,304,320	3,304,320	108,070	212
14	25,344	0	8,470	21,693	2,904,576	2,904,576	108,175	211
15	1,645,632	0	6,909	18,550	2,980,224	2,980,224	107,720	207
16	2,089,152	0	8,673	23,688	2,664,960	2,664,960	86,375	198
17	1,182,240	0	10,227	24,332	2,653,440	2,653,440	36,340	181
18	4,277,664	0	7,287	20,125	2,510,976	2,510,976	49,255	181
19	1,532,160	0	7,371	19,817	2,506,752	2,506,752	38,910	194
20	144,576	576	6,629	18,606	2,835,072	2,835,072	34,845	205
21	966,240	0	7,791	19,691	2,573,184	2,573,184	35,650	201
22	1,755,936	0	6,811	18,515	3,010,752	3,010,752	45,605	197
23	1,980,576	0	5,236	15,421	2,985,984	2,985,984	29,100	205
24	3,599,712	0	6,104	16,625	3,296,064	3,296,064	34,465	213
25	2,778,912	0	5,789	16,723	3,291,072	3,291,072	29,355	219
26	2,633,472	0	8,554	22,218	3,293,184	3,293,184	29,390	223
27	1,597,248	0	6,573	18,179	3,279,552	3,279,552	28,970	222
28	1,725,408	0	7,861	20,986	2,186,112	2,186,112	43,180	223
Total	37,044,864	2,016	230,839	576,247	77,667,456	77,667,456	1,794,065	5,106

Table 36. San Luis Field Division Energy Data

(in kWh)

February 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,252,224	1,004,224	0	0	3,270,528	1,398,528
2	1,295,712	951,712	0	0	50,400	50,400
3	1,283,904	939,904	1,412,640	1,412,640	9,792	9,792
4	1,394,640	1,050,640	0	0	27,360	27,360
5	1,222,704	878,704	2,592	2,592	27,360	27,360
6	1,400,256	1,064,256	0	0	2,192,256	152,256
7	1,016,640	672,640	0	0	2,740,608	1,620,608
8	1,430,928	1,086,928	0	0	4,276,512	3,236,512
9	1,764,576	1,420,576	0	0	2,665,728	1,617,728
10	1,503,648	1,159,648	0	0	3,606,336	2,558,336
11	1,612,512	1,268,512	0	0	1,389,888	421,888
12	1,443,744	1,099,744	0	0	820,512	12,512
13	1,858,032	1,378,032	0	0	3,919,392	775,392
14	1,768,176	1,288,176	0	0	1,302,912	574,912
15	1,504,656	1,024,656	0	0	1,317,024	589,024
16	1,518,768	1,038,768	223,200	223,200	1,404,000	996,000
17	1,463,760	983,760	420,192	420,192	1,610,208	1,202,208
18	1,195,488	715,488	0	0	2,659,968	2,149,968
19	799,344	319,344	0	0	5,941,152	4,829,152
20	1,150,992	670,992	0	0	5,100,480	732,480
21	949,248	469,248	0	0	3,838,752	2,726,752
22	691,632	211,632	0	0	4,684,032	3,572,032
23	696,672	216,672	0	0	5,582,880	4,470,880
24	1,148,976	772,976	0	0	2,657,664	1,353,664
25	1,152,288	776,288	0	0	3,874,752	2,570,752
26	1,165,536	789,536	0	0	3,860,640	2,556,640
27	1,384,848	1,240,848	0	0	3,780,288	1,332,288
28	1,309,824	1,165,824	378,432	378,432	1,173,888	357,888
Total	36,379,728	25,659,728	2,437,056	2,437,056	73,785,312	41,923,312

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

February 2005

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	3,742	9,448	29,060	26,155	28,580	914,184	1,009,512	2,260,512	8,245,440
2	2,952	7,560	23,560	21,650	23,580	919,512	1,018,152	2,271,744	8,436,240
3	3,052	7,312	23,460	21,770	23,995	983,880	1,135,944	2,558,304	9,408,240
4	2,724	6,584	31,135	30,000	33,160	992,160	1,093,536	2,433,024	9,141,120
5	3,926	9,560	28,315	26,045	27,780	1,024,488	1,139,616	2,588,256	9,472,320
6	4,178	10,600	38,995	36,245	39,530	1,249,992	1,378,872	3,096,864	11,561,040
7	4,046	10,360	34,225	31,395	34,680	704,376	823,032	1,830,816	6,629,040
8	5,360	13,824	39,440	37,830	40,355	715,752	767,664	1,731,744	6,354,720
9	7,422	19,264	30,365	27,450	30,695	639,360	689,256	1,544,832	5,802,480
10	15,100	39,432	38,080	35,395	39,430	535,176	575,352	1,248,768	4,372,560
11	14,414	38,848	33,725	31,990	34,795	925,200	1,032,048	2,304,864	8,697,600
12	21,342	58,304	38,460	36,240	39,170	993,672	1,059,552	2,374,848	8,755,920
13	21,502	58,072	42,075	39,925	42,035	1,271,592	1,424,304	3,224,160	12,031,200
14	15,860	42,272	30,645	28,565	30,885	1,016,424	1,117,728	2,519,136	9,200,880
15	23,668	61,800	35,370	32,940	35,860	959,472	1,102,320	2,446,848	9,003,600
16	23,230	62,328	26,605	25,385	27,435	984,312	1,099,872	2,468,736	9,005,760
17	15,878	43,672	33,250	30,710	33,470	1,004,544	1,082,232	2,399,616	8,886,960
18	11,192	29,600	33,245	31,205	34,845	818,136	903,096	1,996,128	7,290,720
19	6,810	19,528	30,855	28,465	30,420	570,024	647,640	1,454,112	5,419,440
20	7,928	20,712	28,875	27,525	29,960	890,208	988,920	2,201,472	8,297,280
21	8,494	22,912	35,840	33,180	36,630	366,120	401,688	919,872	3,404,160
22	6,662	17,944	32,955	30,960	33,825	8,064	11,160	19,872	45,360
23	7,546	19,680	35,100	33,355	34,990	93,240	117,288	259,776	915,840
24	7,952	20,264	34,905	32,475	35,450	676,368	726,624	1,651,968	6,133,680
25	9,206	24,056	34,600	32,520	34,865	731,592	803,808	1,804,896	6,721,920
26	8,470	22,616	32,540	30,250	33,005	843,048	894,240	2,028,384	7,452,720
27	8,506	22,872	37,185	34,360	38,415	1,007,208	1,123,488	2,531,232	9,281,520
28	6,098	15,448	31,650	30,265	32,510	771,624	842,832	1,896,192	6,979,680
Total	277,260	734,872	924,515	864,250	940,350	22,609,728	25,009,776	56,066,976	206,947,440

Table 38. Southern Field Division Energy Data

(in kWh)

February 2005

Date	West Branch			East Branch						
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Cherry Valley Pumping Plant	Crafton Hills Pumping Plant	Green Spot Pumping Plant
1	292,936	950,472	1,440,000	261,184	1,446,996	3,025,440	156,492	489	550	600
2	359,688	947,880	1,440,000	248,976	1,549,428	3,045,504	163,338	585	545	620
3	422,688	947,448	1,440,000	250,488	1,682,592	3,139,488	192,402	595	524	575
4	402,864	890,496	1,440,000	244,160	1,634,568	3,217,152	202,965	533	503	583
5	401,968	950,328	1,440,000	263,760	1,752,432	3,131,904	211,260	453	476	662
6	590,800	951,192	1,440,000	339,080	1,848,852	3,549,120	206,136	488	609	982
7	228,480	890,136	1,440,000	199,808	1,339,968	2,118,336	157,059	1,224	662	983
8	325,696	893,304	1,440,000	161,420	1,047,624	1,880,928	112,728	1,266	611	876
9	297,808	893,664	1,440,000	158,368	928,104	2,224,896	100,905	570	555	882
10	325,248	882,720	1,440,000	89,796	689,616	2,483,616	67,389	1,183	18,628	14,433
11	439,768	923,904	1,440,000	222,376	1,428,504	2,796,576	155,778	605	513	957
12	439,544	921,168	1,440,000	223,888	1,409,220	2,769,408	166,887	547	587	926
13	618,744	923,256	1,440,000	333,172	1,925,316	3,016,320	205,590	490	547	824
14	353,192	920,304	1,560,000	294,140	1,602,072	3,573,792	169,365	514	586	824
15	367,192	923,328	0	275,520	1,703,460	3,221,856	194,985	474	587	8,001
16	365,792	920,520	0	291,984	1,746,060	3,483,552	185,556	513	571	762
17	346,696	947,808	2,040,000	291,536	1,659,828	2,828,928	212,646	541	495	659
18	384,664	697,248	2,040,000	185,192	1,157,532	3,039,840	129,213	552	536	776
19	11,088	0	5,136,000	249,956	1,713,216	2,820,576	167,328	492	559	848
20	155,232	0	5,136,000	337,848	1,921,056	3,028,512	211,575	482	596	889
21	11,368	0	3,424,000	149,968	1,310,868	2,840,064	158,130	554	586	816
22	11,312	0	0	0	28,764	2,970,048	378	531	624	1,030
23	10,584	0	0	40,908	161,748	3,021,504	16,170	600	621	963
24	8,680	17,856	0	283,528	1,767,768	2,899,296	205,296	610	616	872
25	8,512	0	0	317,856	1,992,120	3,384,768	237,762	552	596	823
26	8,680	0	0	360,864	2,071,632	3,119,136	258,783	481	572	820
27	8,120	0	0	423,276	2,607,504	3,269,088	314,370	478	553	738
28	8,288	0	0	337,176	1,926,456	3,438,624	241,920	521	13,213	10,414
Total	7,205,632	16,393,032	38,056,000	6,836,228	42,053,304	83,338,272	4,802,406	16,923	46,621	53,138